Title: METHOD AND APPARATUS FOR REPRESENTING FILE SYSTEM METADATA WITHIN A DATABASE FOR **EFFICIENT QUERIES**

Application Serial No. 10/800,163 Docket No.: 67272-8062.US01 Sheet 1 of 7

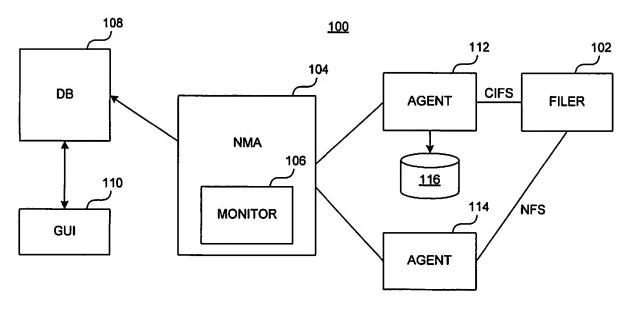


FIG. 1

Application Serial No. 10/800,163 Docket No.: 67272-8062.US01 Sheet 2 of 7

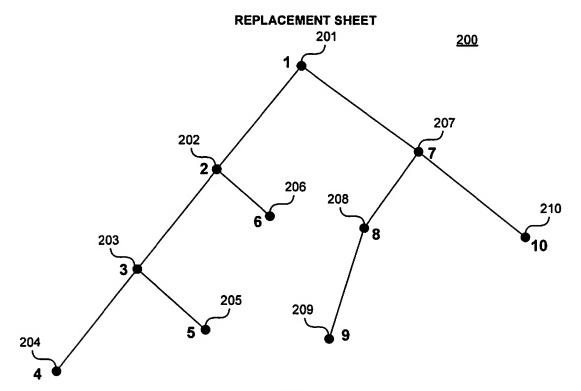


FIG. 2

302 رسے	304 	<u>300</u>
NODE	PARENT	
1	0	
2	1	
7	1	
3	2	
6	2	
8	7	
10	7	
4	3	
5	3	
9	8	

FIG. 3A

Application Serial No. 10/800,163 Docket No.: 67272-8062.US01 Sheet 3 of 7

				300
302 	304	352 	354 رئے	356
NODE	PARENT	SIZE	CREATION TIME	NAME
1	0	4.1GB	3/1/2003 12:00a	/u/
2	1	812 MB	3/1/2003 1:00a	/u/employees/
7	1	1.2 GB	3/1/2003 1:02a	/u/administrators/
3	2	704 MB	3/14/2003 2:14p	/u/employees/a-m/

FIG. 3B

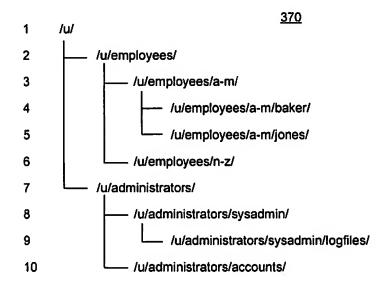


FIG. 3C

Title: METHOD AND APPARATUS FOR REPRESENTING FILE SYSTEM METADATA WITHIN A DATABASE FOR EFFICIENT QUERIES

Application Serial No. 10/800,163 Docket No.: 67272-8062.US01 Sheet 4 of 7

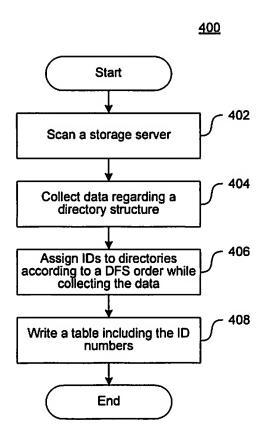


FIG. 4

Application Serial No. 10/800,163 Docket No.: 67272-8062.US01 Sheet 5 of 7

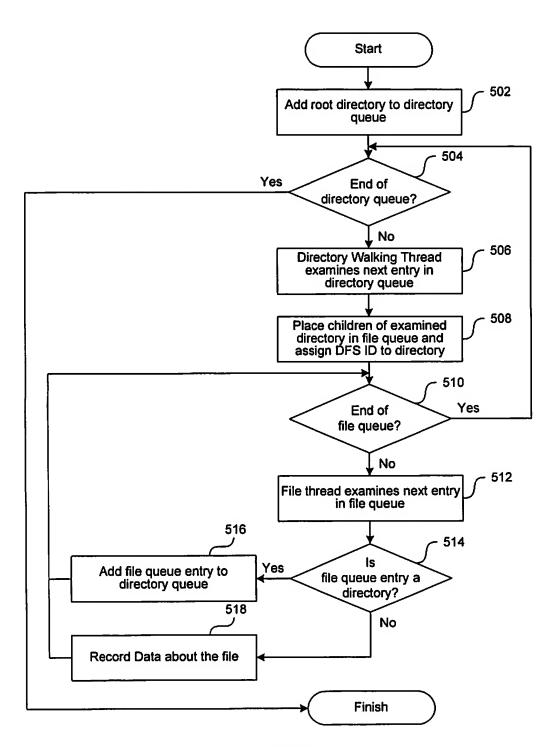


FIG. 5

Title: METHOD AND APPARATUS FOR REPRESENTING FILE SYSTEM METADATA WITHIN A DATABASE FOR EFFICIENT QUERIES

Application Serial No. 10/800,163 Docket No.: 67272-8062.US01 Sheet 6 of 7

REPLACEMENT SHEET								
	602	604	606					
FIG. 6A	<u>Directory Queue</u> root	File Queue	Tree 600					
	602 	604	606 					
FIG. 6B	Directory Queue	File Queue /u/ system.file	<u>Tree</u> 600 → Root (0)					
	602	604	606					
FIG. 60	Directory Queue	File Queue	Tree 600					
	602)	604 J	606					
FIG. 6D	Directory Queue	File Queue /employees/ /administrators/ users.cfg	Tree 600 O Root (0) O /u/ (1)					
	602 	604	606 					
FIG. 6E	Directory Queue / /employees/ /administrators/	File Queue	Tree 600 O Root (0) O /m/ (1)					
	602	604	606					
FIG. 6F	Directory Queue /administrators/	File Queue /a-m/ /n-z/ list.cfg	Tree 600 O Root (0) O /u/ (1) O /employees/ (2)					
FIG. 6G	/a-m/	604 <u>File Queue</u>	606 <u>Tree</u> <u>600</u> φ Root (0)					
	/n-z/ /administrators/		/u/ (1) /employees/ (2)					
	602 رسہ	604 رسہ	606 رس					
FIG. 6H	Directory Queue /n-z/ /administrators/	<u>File Queue</u> /baker/ /jones/ index.cfg	Tree 600 o Root (0) /u/ (1) /employees/ (2)					
		ilidex.olg	/ /employees/ (2) /a-m/ (3)					

Application Serial No. 10/800,163 Docket No.: 67272-8062.US01 Sheet 7 of 7

REPLACEMENT SHEET

<u>700</u>

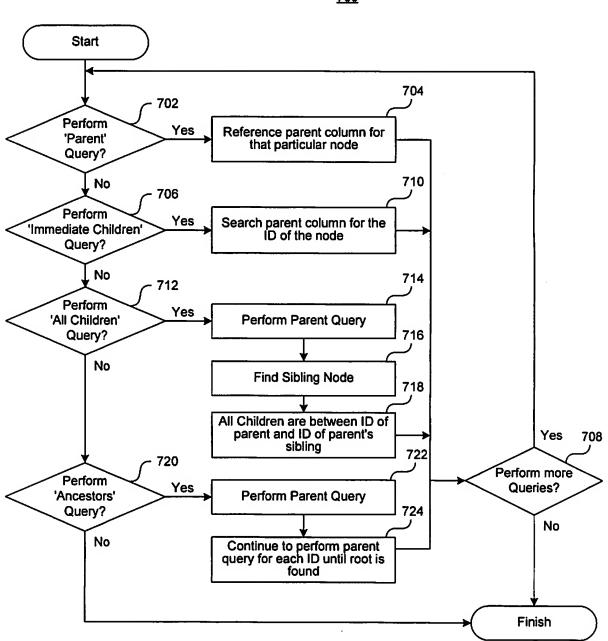


FIG. 7